



Application No.: 10/698,478  
Art Unit 2879

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#### ABSTRACT OF THE DISCLOSURE

A cathode ray tube comprising a panel of which an outer surface is substantially flat and an inner surface has a certain curvature, and a shadow mask arranged with a certain interval from an inner surface of the panel and having a plurality of apertures through which electron beams pass, wherein the shadow mask satisfied a condition of  $0.9 \leq ZmD / (ZmX + ZmY) \leq 1.1$ , in which an arbitrary point on a diagonal axis of the shadow mask is supposed to be  $Dr$ , points on a long axis and a short axis meeting with perpendiculars drawn to the long axis and the short axis from the point  $Dr$  are respectively supposed to be  $Xr$  and  $Yr$ , and intervals between the respective points  $Xr$ ,  $Yr$ , and  $Dr$  and the shadow mask in a tube axis direction are respectively supposed to be  $ZmX$ ,  $ZmY$ , and  $ZmD$ .